



- an American Megatrends *MegaRAC G3*
- This *MegaRAC G3 Quick Installation Guide*
- a *MegaRAC G3 User's Guide* (located on the *MegaRAC G3 CD*)
- a *MegaRAC G3 CD*
- one USB cable
- an AC Adapter

Note: Only revision B1 and newer revisions of the MegaRAC G3 cards have jumpers JP13 and JP14. Revisions A and B do not have JP13 and JP14.

[illegible]

Step 4 Plug in the MegaRAC G3 Card into the Host System and Attach Internal Cables

Physically plug in the MegaRAC G3 card into any available PCI slot inside the host system.

Connector	Description
J3 Service	This jumper is used exclusively for servicing the MegaRAC G3 card. J3 is not described in this document.
J4 JTAG ICE	This header is used to debug and service the MegaRAC G3 card. J4 is not described in this document.
J5 IPMB	If your motherboard has an IPMB connector, you can connect a cable from J5 on the MegaRAC G3 card to the IPMB connector on your motherboard.
J9 FeatureCon	This feature connector is primarily used for operating the host system's motherboard power and reset switch. It can also be used to gather I2C bus information from the motherboard.
JP2 Serial Port	You can connect an external 9 pin serial port connector to this header. This header is primarily used to text redirect over the serial port.
JP3 Service	This jumper is used exclusively for servicing the MegaRAC G3 card. JP3 is not described in this document.
JP4/JP5 Power	JP4 and JP5 can be used in place of the MegaRAC Feature Cable to power on, power off, and power cycle the motherboard. Connect a two pin cable from the motherboard's Power (Soft On/Off) header to JP4 on your MegaRAC G3 card. Connect the chassis power switch to JP5 on your MegaRAC G3 card.
JP6 Reset	You can short this jumper to reset your MegaRAC G3 card.
JP7/JP8 Reset	JP7 and JP8 can be used in place of the MegaRAC Feature Cable to reset the motherboard. Connect a two pin cable from the motherboard's Reset header to JP7 on your MegaRAC G3 card. Connect the chassis reset switch to JP8 on your MegaRAC G3 card.
Note:	JP13 and JP14 can be used in place of the MegaRAC Feature Cable to gather I2C bus information from the motherboard.
Note:	JP4 and JP5 can be used in place of the MegaRAC Feature Cable to power on, power off, and power cycle the motherboard.
Note:	JP7 and JP8 can be used in place of the MegaRAC Feature Cable to reset the motherboard.
Note:	Only the OEM version can utilize the hardware health monitoring capabilities of MegaRAC G3 card. The hardware health monitoring function requires an OEM specific cable and Sensor Definition Kit (SDK/SDR) file.
Note:	IPMI support is an OEM version feature.
Note:	The optional MegaRAC feature connector cable must be custom made for your specific configuration.

Step 8 Install all American Megatrends MegaRAC G3 Windows Software Components

American Megatrends MegaRAC G3 *Windows Software Components* is a collection of MegaRAC G3 host-side and remote access components. Insert your *MegaRAC™ G3 CD* into the host system. The host system is the system that has the MegaRAC G3 card installed into it. Browse to the following folder and file:

CDROM\ServerAgents\Win32\Setup.exe

Double left click the **Setup.exe** icon to begin the installation of the American Megatrends MegaRAC G3 *Windows Host Component*. Follow the instructions. After the installation is complete, install the American Megatrends MegaRAC G3 *Windows Software Components* on a local network computer that you want to use to access the host system.

Step 9 Setup your Client System's Internet Browser

You must first setup your Internet browser on the client system before you can redirect the host system's console.

- Open *Internet Options*. To get there, open your Internet Explorer browser, left click *Tools* and then *Internet Options*. The *Internet Options* window opens. Left click the *Settings* button.
- The *Settings* window opens. Left click the *Every visit to the page* button or *Automatically* button. Left click the *OK* button to apply the change and to go back to the *Internet Options* window.
- Next, you must setup Internet Explorer to allow the downloading of Signed ActiveX controls and also allow it to run Signed ActiveX controls. To do this, left click the *Security* tab and then the *Custom Level* button.
- The *Security Settings* window opens. Left click the *Enable* button under the *Download signed ActiveX controls* section. Scroll down and left click the *Enable* button under the *Run ActiveX controls and plug-ins* section. Left click the *OK* button. You are prompted with a *Warning* window. Left click the *Yes* button to accept the changes to the Internet zone and to go back to the *Internet Options* window. Left click the *Apply* button and then the *OK* button to make the changes.

Note: You must restart Internet Explorer before the changes take effect.

Note: *Remote Console* cannot run with any other security settings in Internet Explorer.

Step 5 Connect External Cables

- Connect the USB cable from the back of the MegaRAC G3 card to the motherboard's USB port.
- Connect your VGA monitor to your MegaRAC G3 card.
- Connect the RJ45 LAN cable from your local network to your MegaRAC G3 card.
- Connect your phone cord from the back of the MegaRAC G3 card to the telephone wall outlet. (Only if the optional modem daughterboard is installed.)
- Connect your AC adapter. (The AC adapter is an optional component.)

Step 6 Confirm the Motherboard's BIOS Settings

Power on the motherboard and enter the BIOS. Using the following table, confirm that your motherboard's BIOS settings are correct.

BIOS Section	Setting
Boot Options> Removable Devices	AMI Virtual Floppy or USB Boot Device
Boot Options> ATAPI CDROM	AMI Virtual CDROM or USB Boot Device
Advanced> PCIPnP> Configuration> Legacy USB Support	Enable

Save the BIOS settings and restart the computer.

Note: Make sure that your motherboard BIOS supports Legacy USB devices, USB Boot or Boot to USB.

Note: On some motherboards and server boards, depress the <CTRL>, <ALT>, and <ESC> keys simultaneously to enter the BIOS. On others use the <F2> keys. See your server's documentation for more information on entering the BIOS setup.

Step 7 Install the Operating System and MegaRAC G3 Card's Drivers

Microsoft® Windows 2000/2003/XP operating systems need an .INF for the *AMI Virtual Floppy* device exposed by the G3 card. Use the default .INF for the *AMI Virtual CDROM*.

Note: The *AMI Virtual Floppy* installation procedure needs to be done one time only on the host system. Once the *AMI Virtual Floppy* is properly loaded, you can perform floppy redirection without going through any extra steps.

Note: Do **NOT** use the default file that the Microsoft® Windows operating system presents when it is searching for the *AMI Virtual Floppy* driver. Ensure that the Microsoft® Windows operating system is asking for the *AMI Virtual Floppy* driver before allowing the installation of the .**INF** file to continue.

Step 10 Connect to the MegaRAC G3 from a Client System

In order to connect to the MegaRAC G3 card, you must access the MegaRAC G3 from another system on the same network. AMI refers to this other system as the client system. To do this, you must know the MegaRAC G3 card's IP address. If you have installed the MegaRAC G3 on a network that uses DHCP, you can search the network for the MegaRAC G3 card. To locate and find out its IP address, you must run *RacTrendsSeek Locator*.

Note: Make sure that you have already installed the MegaRAC G3 *Windows Software Components* on the system that you want to use to locate the MegaRAC G3 card.

- Locate the *RacTrendsSeek Locator* program on your remote client system. Run the *RacTrendsSeek Locator* program by double left clicking on it and left click on the *Next* button after it opens.
- Type in your *Network Name*. For example, **Corporate**. Next, you must enter a range of IP addresses that you want to search. Left click the *Add>>* button when finished.
- The name and IP range of the MegaRAC G3 will display in the right field. Place a check in the box next to the range of IP addresses. Left click on the *Next* button.
- The name and IP range of the MegaRAC G3 will display in the *Selected IP Range* window. Left click on the *Next* button.
- If the IP range is correct, *RacTrendsSeek Locator* will locate the MegaRAC G3 card. It will list all MegaRAC cards it has discovered.
- Double left click on the IP address to start managing the MegaRAC G3 card and write down its IP address. Left click on the *Finish* button after *RacTrendsSeek Locator* discovers all MegaRAC cards.
- When prompted for the user name and password, enter the following (The default user name and password are in lower-case characters):

Field	Default
User Name	root
Password	superuser

- Left click the *OK* button. After you successfully log into your MegaRAC G3 card, you are greeted with the *Welcome to MegaRAC G3* screen.

Note: When you log in using the root user name and password, you have full administrative powers. It is advised that once you log in, you change the root password.

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